

All In. Together.

Vision

An at-cost, member-centric organization dedicated to informing, improving, and accelerating decision-making, operational efficiency, risk mitigation, and digital innovation for insurers.

Focus



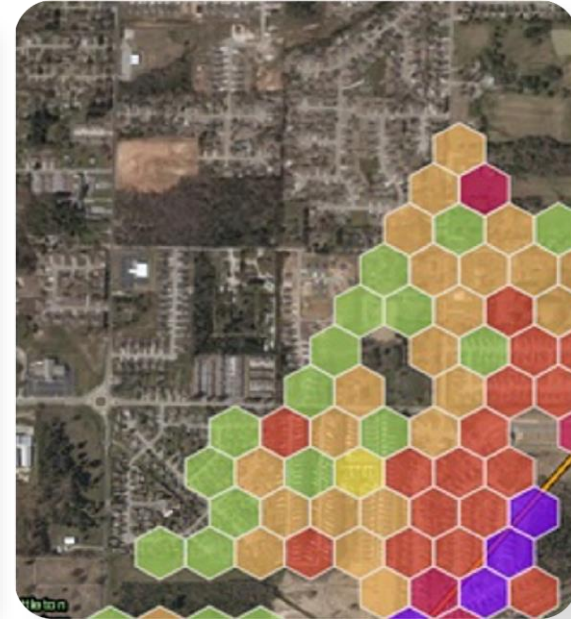
Blue Sky National Imagery

High-resolution imagery and related data for contiguous US.



Gray Sky Disaster Response

Rapid access to high-resolution imagery and data following disaster events.



Tools and Analytics

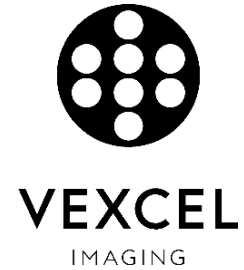
Tools and analytics for fast, accurate, and cost-efficient decision making.

About

At cost. Member-driven. Backed by experts.



GIC GEOSPATIAL
INSURANCE
CONSORTIUM



- GIC is a NICB initiative
- 1,400 insurers are part of NICB
- Manages assessment for members

- Leader in aerial camera sensors & large-scale processing
- Unmatched imagery quality & accuracy
- Manages programs & platform cloud services
- Collects & processes imagery & underlining data

Nationwide Capture Program



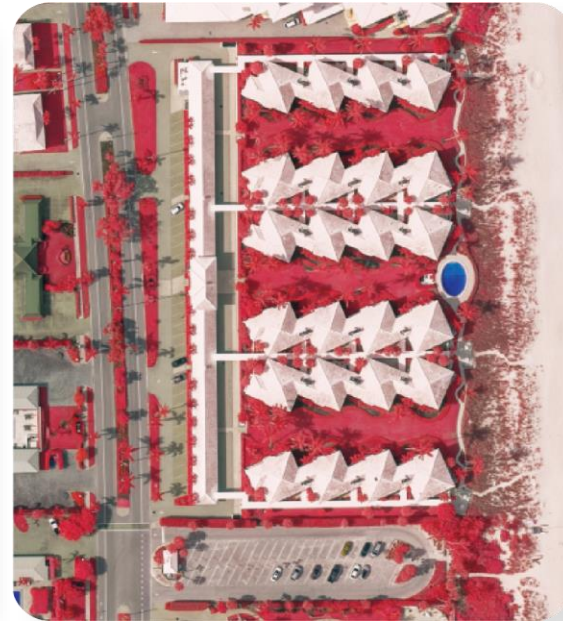
Oblique Imagery

- Collected at a 45° perspective
- Detailed 360° view of properties and neighborhoods.



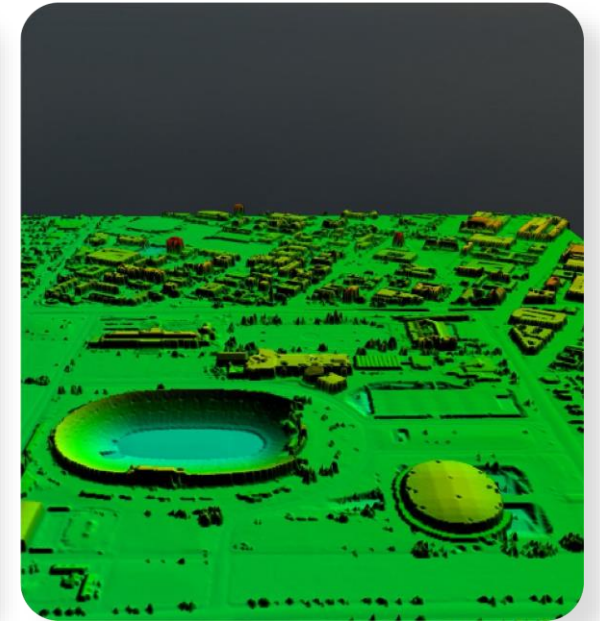
Ortho Imagery

- Straight-down aerial view of buildings and parcels.
- Insight for rooftops and property surroundings



Multispectral Imagery

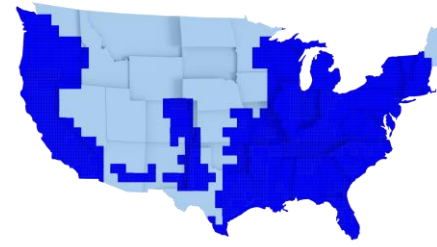
- Near-infrared channel on camera sensors
- Optimal for classification on vegetation and fire risk



Elevate

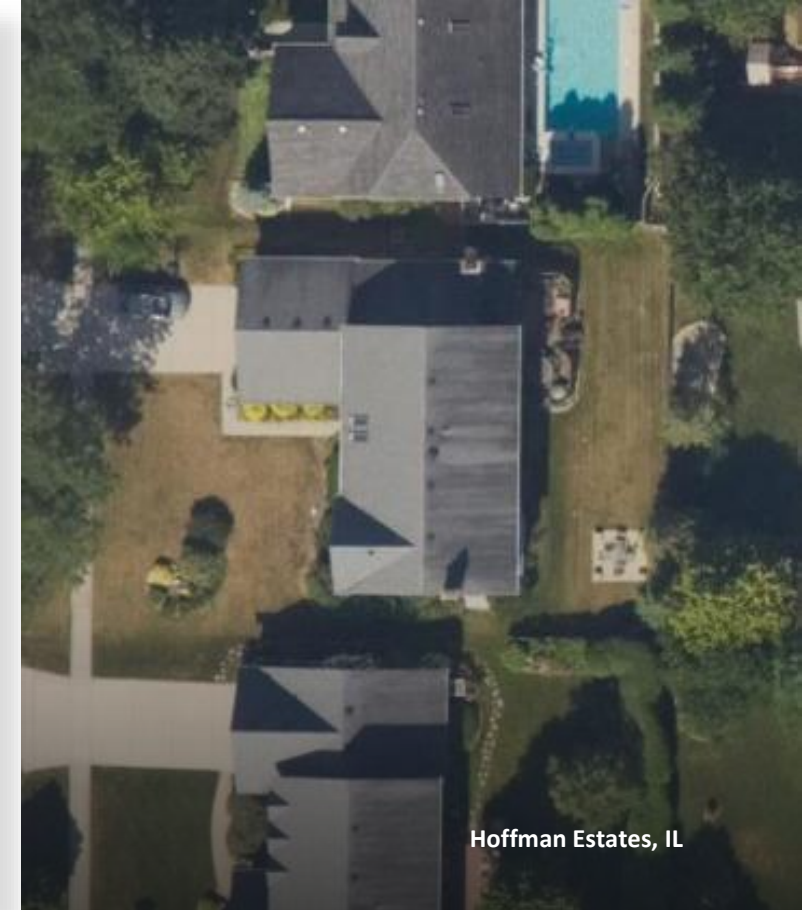
- Reflect the buildings and objects above the 3D-like points at 7.5cm better visualization of properties
- Digital surface and digital terrain models

Ortho Imagery



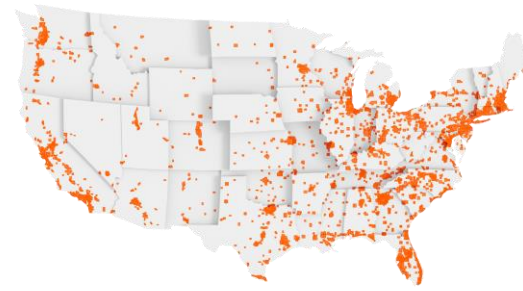
Wide-Area Maps

- Vertical imagery
- 20cm/7.8in imagery
- Rolling two-year refresh collection period
- 100% of US population in Lower 48



Hoffman Estates, IL

Oblique Imagery

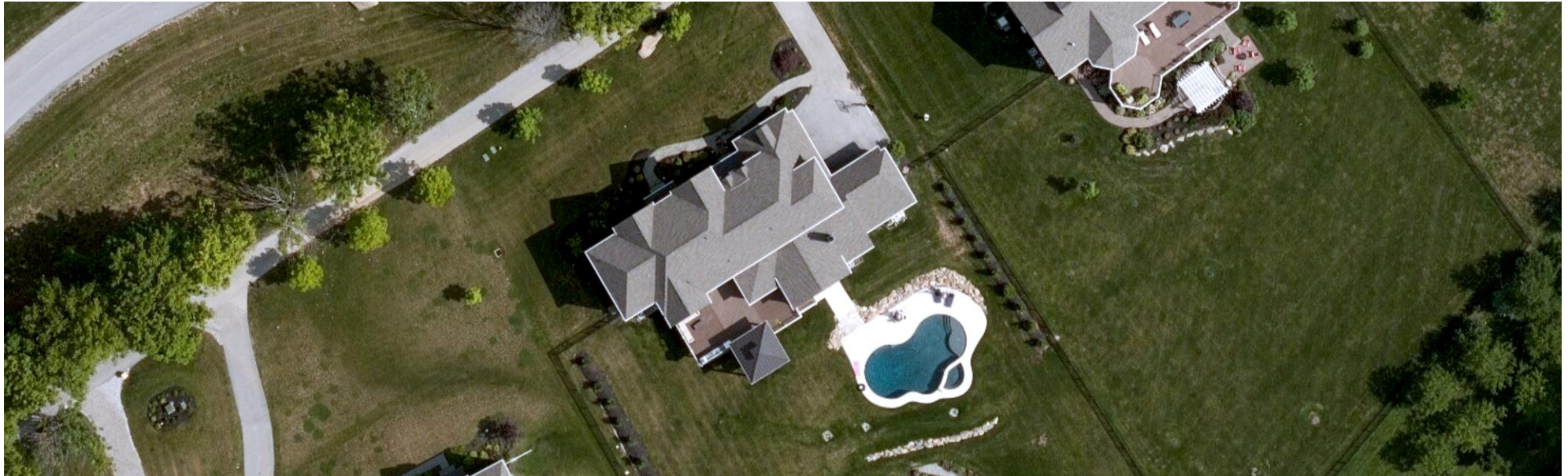


Urban Maps

- 80% of the US population
- 900 cities
- 7.5cm/2.8in
- 360-degree view of each property

Blue Sky

Newtown Square, PA

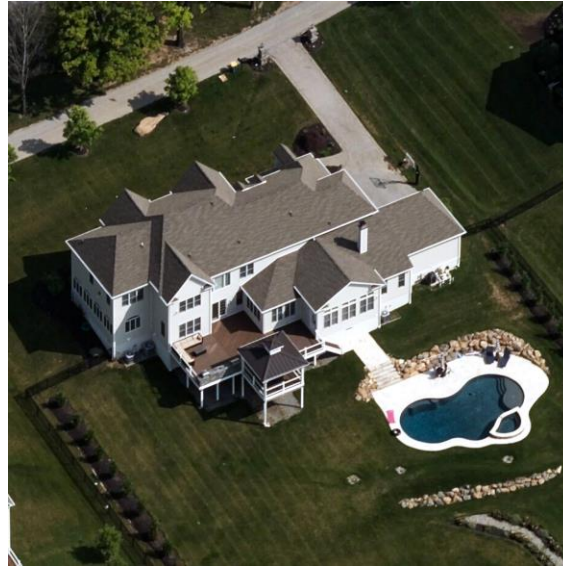


Vertical

Blue Sky



East



North



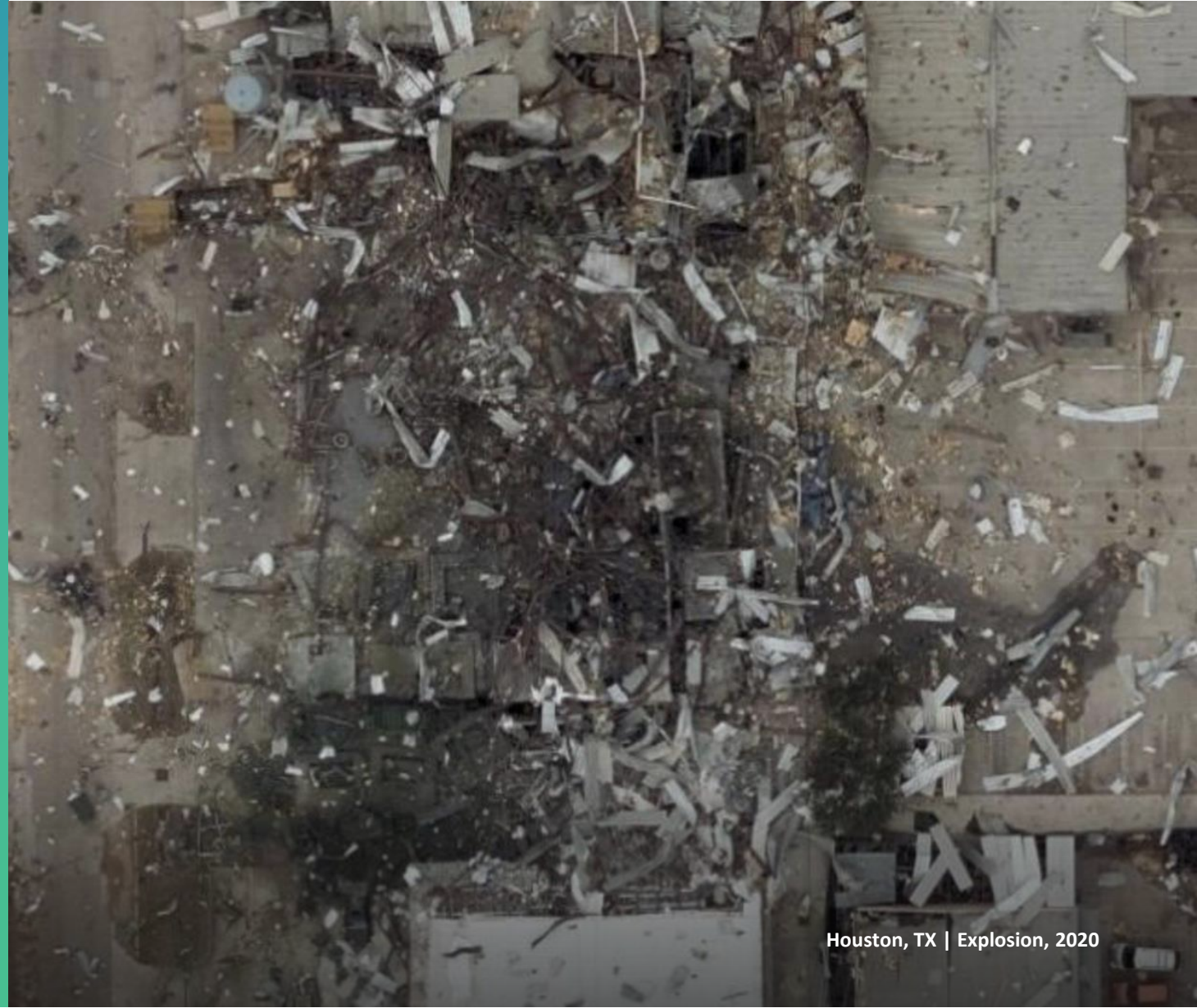
West



South

Gray Sky Disaster Response

Rapid access to high-resolution imagery and data after disaster events.



Houston, TX | Explosion, 2020

Gray Sky Program Overview

Private and public sectors working together

Continuous Event Monitoring and Alerts

- Activation levels
- Government sources and feeds (National, State, Local)
- Government damage assessment feeds
- Weather forensic data feeds
- "Storm chasers"
- Even Twitter disaster community!

Working With Public Safety Stakeholders

- First responders and emergency managers imagery services access is provided free
- Utility companies
- Humanitarian and relief organizations



US Army Corps
of Engineers



Cal EMA
CALIFORNIA EMERGENCY
MANAGEMENT AGENCY



Level 4 – Monitoring



Level 3 – Enhanced Monitoring



Level 2 – Partial Activation



Level 1 – Full Activation



Hurricane Sally, Florida



Wildfire | Whitman County, Washington

Gray Sky 2020

Hurricanes | Lake Charles

2

hurricanes (Laura and Delta) in 2020

6

weeks between storms



Gray Sky 2020

Wildfires | California

17,231

sq. km burned in California

9,176

sq. km captured by the GIC (53% of burned areas)

9 of 10

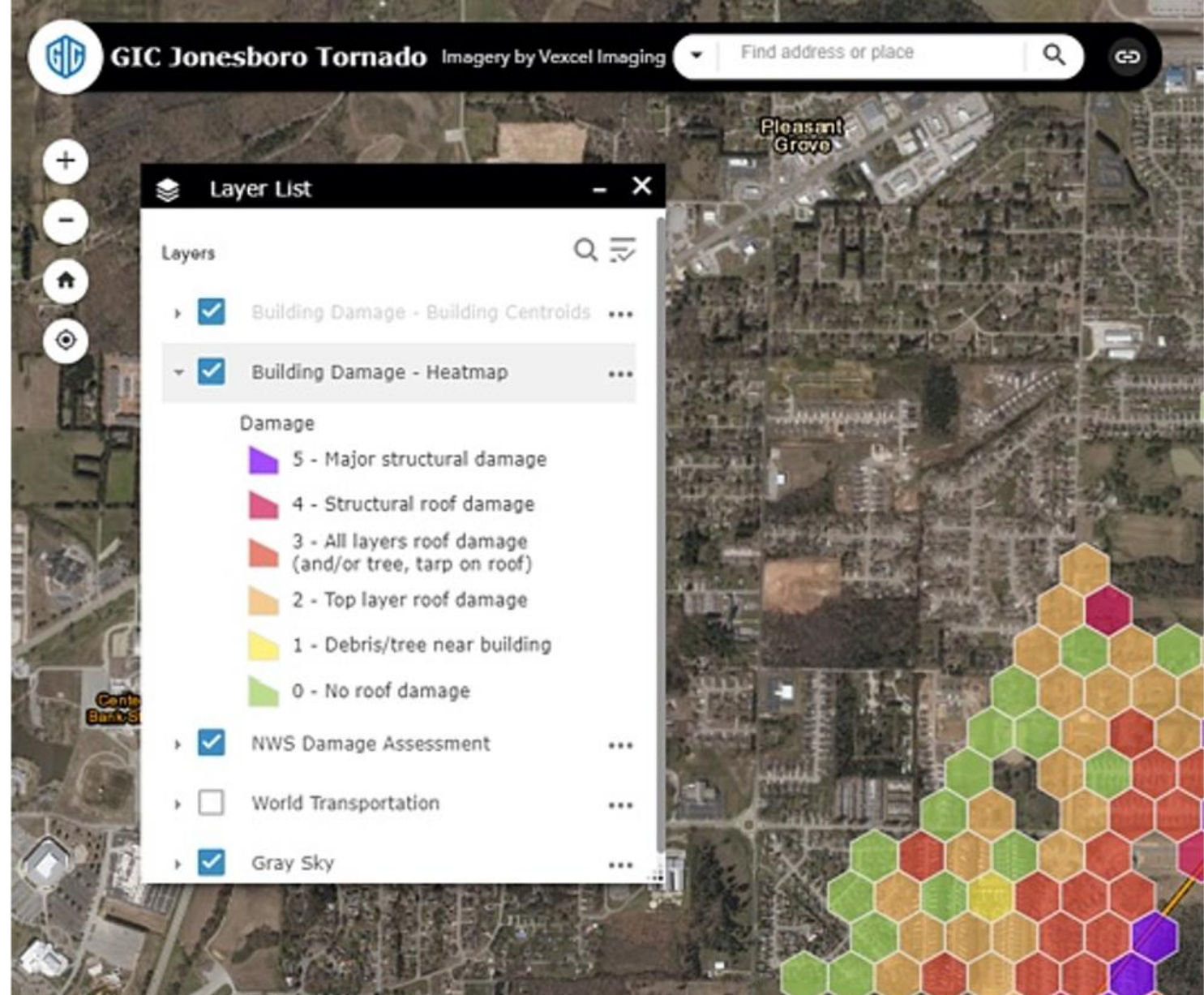
Impacted structures captured by the GIC



Catastrophe Analytics



- THE LAB at Munich RE utilizes GIC imagery for its wind damage classification system
- Automated damage classification following major CAT events
- GIC delivers CAT imagery within 24 hours to Munich RE and GIC members
- Munich RE post-CAT heat maps to GIC members as part of GIC contract
- Per property loss prediction (pre-CAT) and property roof/building damage classification (post-CAT) available as an add-on to GIC members



Community Appreciation

“Your imagery provided great relief to a number of families yesterday as I was able to confirm that their homes and businesses were at least standing.”

Council Member at Rogue Valley Council of Governments, Oregon

Discussion

Expanding the GIC Government Member Program

The GIC looks to increase the involvement of federal and state governments. We are currently evaluating feedback from interested partners as to final scope and membership levels. Possible benefits:

- Access to historical Gray Sky imagery library for a select time or ongoing basis
- View Blue Sky nationwide aerial imagery for a select time or ongoing basis
- Access to Viewer, our web-based application to view imagery and damage classification
- Provide feedback on post-disaster collection planning and activities

What are next steps?



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Thank you!